

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	: Herbert J. Neuhaus et al.	Confirmation No.:	4724
Appln. No.	: 09/957,401	Group Art Unit:	2826
Filed	: 19 September 2001	Examiner:	A.O. Williams
Title	: METHOD FOR ASSEMBLING COMPONENTS AND ANTENNAE IN RADIO FREQUENCY IDENTIFICATION DEVICES		

**SUBMISSION UNDER 37 C.F.R. §§ 3.71 & 3.73(b) and  
POWER OF ATTORNEY BY ASSIGNEE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

As an officer of NanoPierce Technologies, Inc. ("assignee"), a Colorado corporation, I hereby certify that the assignee is the owner by assignment of the entire right, title, and interest in and to the patent application identified above by virtue of either:

- A. ☐ An assignment from the inventor of the patent application identified above,  
☐ 1. a copy of which is attached; or  
☐ 2. which is recorded in the U.S. Patent and Trademark Office at Reel \_\_\_\_\_,  
Frame \_\_\_\_\_, a copy of which is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

- From: Herbert J. Neuhaus and Fred A. Blum To: NanoPierce Connection Systems, Inc.  
The document was recorded in the U.S. Patent and Trademark Office at Reel 013173  
Frame 0398, a copy of which is attached.
- From: NanoPierce Connection Systems, Inc. To: NanoPierce Technologies, Inc.  
The document was recorded in the U.S. Patent and Trademark Office at Reel 013170,  
Frame 0460, or a copy of which is attached.
- From: Michael E. Wernle and Michael Kober To: NanoPierce Card Technologies, GmbH.  
The document was recorded in the U.S. Patent and Trademark Office at  
Reel 013170 Frame 0423, a copy of which is attached.

4. From: NanoPierce Card Technologies, GmbH To: NanoPierce Technologies, Inc.  
The document was recorded in the U.S. Patent and Trademark Office at Reel 013170  
Frame 0426, a copy of which is attached.

As assignee of the captioned application, we hereby appoint the registered patent attorney(s) and/or agent(s) of Dorsey & Whitney LLP, associated with Customer Number 20686, to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected therewith.

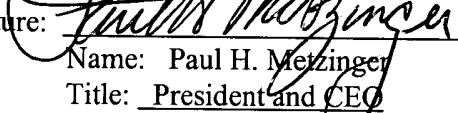
Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the captioned application is to be conducted to the exclusion of the inventors.

The undersigned (whose title is supplied below) is authorized and empowered to sign this statement on behalf of the assignee.

The undersigned hereby declares that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NanoPierce Technologies, Inc.

Dated: 11/8/02

Signature:   
Name: Paul H. Metzinger  
Title: President and CEO



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 16, 2002

PTAS

DORSEY & WHITNEY LLP  
BRAD J. HATTENBACH  
370 SEVENTEENTH STREET  
SUITE 4700  
DENVER CO 80202

**\*700018659A\***

**\*700018659A\***

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/15/2002

REEL/FRAME: 013170/0423  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WERNLE, MICHAEL E.

DOC DATE: 06/10/2002

ASSIGNOR:

KOBER, MICHAEL

DOC DATE: 06/10/2002

ASSIGNEE:

NANOPIERCE CARD TECHNOLOGIES, GMBH  
LISE-MEITNER-STRASSE 1  
D-85662 HOENBRUNN, FED REP GERMANY

SERIAL NUMBER: 09957401  
PATENT NUMBER:

FILING DATE: 09/19/2001  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10/15/2002  
700018659

Docket No.: 5542.02

FORM PTO-1585 (Modified)  
(Rev. 03-01)  
OMB No. 0551-0027 (exp. 8/31/2002)  
F06/REV03

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

## PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Michael E. Wernle and Michael Kober

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 10 June 2002

## 2. Name and address of receiving party(ies):

Name: NanoPierce Card Technologies, GmbH

Internal Address: Lise-Meitner-Strasse 1, D-85662,

Hoenbrunn, Germany

Street Address: Lise-Meitner-Strasse 1, D-85662,

Hoenbrunn, Germany

City: State: ZIP:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/957,401

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Dorsey &amp; Whitney LLP

Internal Address: 370 Seventeenth Street, Suite 4700,

Denver, Colorado 80202-5647

Street Address: 370 Seventeenth Street, Suite 4700

City: Denver State: CO ZIP: 80202

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

04-1415

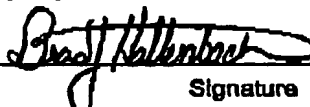
(Attach duplicate copy of this page if paying by deposit account)

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brad J. Hattenbach

Name of Person Signing



Signature

14

October 2002

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20594

## ASSIGNMENT

WHEREAS, **MICHAEL E. WERNLE**, residing at Ottobrunner Strasse 76, D-85635 Hohenkirchen, Germany, and **MICHAEL KOBER**, residing at St. Johannes Strasse 1, D-85625 Glonn, Germany (individually and collectively the "Assignor"), have invented certain new and useful systems, devices, and methods disclosed and described in an application for Letters Patent in the United States ("U.S.") filed on 19 September 2001 entitled "METHOD FOR ASSEMBLING COMPONENTS AND ANTENNAE IN RADIO FREQUENCY DEVICES," which can be identified in the United States Patent and Trademark Office ("USPTO") under Serial Number 09/957,401, (the "Patent Application"); and

WHEREAS, **NANOPIERCE CARD TECHNOLOGIES, GmbH**, a corporation organized and existing under the laws of the Federal Republic of Germany, and having its principal place of business at Lise-Meitner-Strasse 1, D-85662 Hoenbrunn, Germany (the "Assignee"), desires to acquire the entire right, title, and interest of Assignor in and to the invention, the Patent Application, and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the invention, the Patent Application, and all divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications that claim priority thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the invention under any international conventions (collectively "the Patent Rights"); and the Assignor hereby authorizes and requests transfer of the Patent Application and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith.

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries, in its own name if desired, and additionally to claim priority to the filing date of the Patent Application and otherwise take advantage of the provisions of any international conventions.

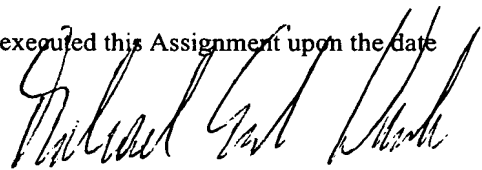
Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor further covenants and agrees that this Assignment is effective as of 19 September 2001.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.


By:

  
Michael E. Wernle

Dated:

10. Jun 2002

By:

  
Michael Kober

Dated:

10. June 2002





UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 16, 2002

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DORSEY & WHITNEY LLP  
370 SEVENTEENTH STREET,  
SUITE 4700,  
DENVER, COLORADO 80202-5647

**\*700018660A\***

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/15/2002

REEL/FRAME: 013170/0426  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NANOPIERCE CARD TECHNOLOGIES, GMBH      DOC DATE: 06/10/2002

ASSIGNEE:

NANOPIERCE TECHNOLOGIES, INC.  
370 17TH STREET,  
SUITE 3640,  
DENVER,, COLORADO 80202

SERIAL NUMBER: 09957401

PATENT NUMBER:

FILING DATE: 09/19/2001

ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

28

10/15/2002  
700018660

Docket No.: 5542.02

FORM PTO-1596 (Modified)  
(Rev. 03-01)  
OMB NO. 0551-0027 (exp. 6/31/2002)  
PGS/REV03

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

NanoPierce Card Technologies, GmbH

## 2. Name and address of receiving party(ies):

Name: NanoPierce Technologies, Inc.Internal Address: 370 Seventeenth Street, Suite 3640,Denver, Colorado 80202

Additional name(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherStreet Address: 370 Seventeenth Street, Suite 3640City: Denver State: CO ZIP: 80202Execution Date: 10 June 2002Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/957,401

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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Name: Dorsey & Whitney LLPInternal Address: 370 Seventeenth Street, Suite 4700,Denver, Colorado 80202-5647Street Address: 370 Seventeenth Street, Suite 4700City: Denver State: CO ZIP: 80202

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brad J. Hattenbach

Name of Person Signing



Signature

14 October 2002

Date

Total number of pages including cover sheet, attachments, and document:

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments



## ASSIGNMENT

WHEREAS, **NANOPIERCE CARD TECHNOLOGIES, GmbH**, a corporation organized and existing under the laws of the Federal Republic of Germany, and having its principal place of business at Lise-Meitner-Strasse 1, D-85662 Hoenbrunn, Germany (the "Assignor"), is the owner of certain right, title, and interest in and to an invention and corresponding application for Letters Patent in the United States ("U.S.") filed on 19 September 2001 entitled "METHOD FOR ASSEMBLING COMPONENTS AND ANTENNAE IN RADIO FREQUENCY DEVICES," which can be identified in the United States Patent and Trademark Office ("USPTO") under Serial Number 09/957,401, (the "Patent Application"); and

WHEREAS, **NANOPIERCE TECHNOLOGIES, INC.**, a corporation organized and existing under the laws of the State of Nevada, and having its principal place of business at 370 Seventeenth Street, Suite 3580, Denver, Colorado 80202 (the "Assignee"), desires to acquire the entire right, title, and interest of Assignor in and to the invention, the Patent Application, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title and interest in and to the invention, the Patent Application, and all divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications that claim priority thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the invention under any international conventions (collectively "the Patent Rights"); and the Assignor hereby authorizes and requests transfer of the Patent Application, and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith.

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries, in its own name if desired, and additionally to claim priority to the filing date of the Patent Application and otherwise take advantage of the provisions of any international conventions.

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor further covenants and agrees that this Assignment is effective as of 19 September 2001.


Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary

assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights.

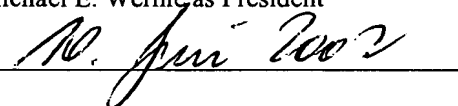
IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

NANOPIERCE CARD TECHNOLOGIES, GmbH

By:

  
Michael E. Wernle as President

Dated:







UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 17, 2002

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DORSEY & WHITNEY LLP  
BRAD J. HATTENBACH  
370 17TH STREET  
SUITE 4700  
DENVER, CO 80202

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RECORDATION DATE: 10/15/2002

REEL/FRAME: 013173/0398  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NEUHAUS, HERBERT J.

DOC DATE: 06/28/2002

ASSIGNOR:

BLUM, FRED A.

DOC DATE: 06/28/2002

ASSIGNEE:

NANOPIERCE CONNECTION SYSTEMS,  
INC.  
4180 CENTER PARK DRIVE  
COLORADO SPRINGS, COLORADO 80916

SERIAL NUMBER: 09957401  
PATENT NUMBER:

FILING DATE: 09/19/2001  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10/15/2002  
700018663

Docket No.: 5542.02

FORM PTO-1695 (Modified)

(Rev. 03-01)

OMB No. 0661-0027 (exp. 5/31/2002)

PDS/REV03

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## 1. Name of conveying party(ies):

Herbert J. Neuhaus and Fred A. Blum

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 28 June 2002

## 2. Name and address of receiving party(ies):

Name: NanoPierce Connection Systems, Inc.

Internal Address: 4180 Center Park Drive, Colorado

Springs, Colorado 80916

Street Address: 4180 Center Park Drive

City: Colorado Springs State: CO ZIP: 80916

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

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09/957,401

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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Denver, Colorado 80202-5647

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City: Denver

State: CO ZIP: 80202

## 6. Total number of applications and patents involved:

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## 7. Total fee (37 CFR 3.41):.....\$ 40.00

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## 8. Deposit account number:

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brad J. Hattenbach

Name of Person Signing

Signature

H October 2002

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments

## ASSIGNMENT

WHEREAS, **HERBERT J. NEUHAUS**, residing at 770 Maroonglen Court, Colorado Springs, Colorado 80906-6810 and **FRED A. BLUM**, residing at 1412 North Wahsatch, Colorado Springs, Colorado 80907 (collectively, the "Assignor"), have invented certain new and useful systems, devices, and methods disclosed and described in an application for Letters Patent in the United States ("U.S.") filed on 19 September 2001 entitled "METHOD FOR ASSEMBLING COMPONENTS AND ANTENNAE IN RADIO FREQUENCY DEVICES," which can be identified in the United States Patent and Trademark Office ("USPTO") under Serial Number 09/957,401, (the "Patent Application"); and

WHEREAS, **NANOPIERCE CONNECTION SYSTEMS, INC.**, a corporation organized and existing under the laws of the State of Colorado, and having its principal place of business at 4180 Center Park Drive, Colorado Springs, Colorado 80916 (the "Assignee"), desires to acquire the entire right, title, and interest of Assignor in and to the invention, the Patent Application, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the invention, the Patent Application, and all divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications that claim priority thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the invention under any international conventions (collectively "the Patent Rights"); and the Assignor hereby authorizes and requests transfer of the Patent Application, and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith.

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries, in its own name if desired, and additionally to claim priority to the filing date of the Patent Application and otherwise take advantage of the provisions of any international conventions.

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor further covenants and agrees that this Assignment is effective as of 1 January 2002.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF COLORADO )  
CITY OF COLORADO SPRINGS ) ss.  
COUNTY OF EL PASO )

By: Herbert J. Neuhaus  
Herbert J. Neuhaus

Dated: 28 June 2002

Before me, a Notary Public in and for said County and State, personally appeared HERBERT J. NEUHAUS, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 28 day of June, 2002.

Jeanne M. Stentz  
Notary Public

My Commission Expires: 6-10-06

STATE OF COLORADO )  
CITY OF COLORADO SPRINGS ) ss.  
COUNTY OF EL PASO )

By: Fred A. Blum  
Fred A. Blum

Dated: 06/28/02

Before me, a Notary Public in and for said County and State, personally appeared FRED A. BLUM, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 28 day of June, 2002.

Jeanne M. Stentz  
Notary Public

My Commission Expires: 6-10-06



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OCTOBER 16, 2002

PTAS

DORSEY & WHITNEY LLP  
BRAD J. HATTENBACH  
370 SEVENTEENTH STREET, SUITE 4700  
DENVER, COLORADO 80202-5647

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/15/2002

REEL/FRAME: 013170/0460  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NANOPIERCE CONNECTION SYSTEMS,  
INC.

DOC DATE: 06/28/2002

ASSIGNEE:

NANOPIERCE TECHNOLOGIES, INC.  
370 SEVENTEENTH STREET, SUITE 3640  
DENVER, COLORADO 80202

SERIAL NUMBER: 09957401  
PATENT NUMBER:

FILING DATE: 09/19/2001  
ISSUE DATE:

DOROTHY RILEY, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10/15/2002  
700018664

Dock 1 No.: 5542.02

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0851-0027 (exp. 5/31/2002)  
PDS/REV03

## RECORDATION FORM COVER SHEET

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Patent and Trademark Office

## PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

NanoPierce Connection Systems, Inc.

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: NanoPierce Technologies, Inc.

Internal Address: 370 Seventeenth Street, Suite 3640,

Denver, Colorado 80202

Street Address: 370 Seventeenth Street, Suite 3640

City: Denver State: CO ZIP: 80202

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 28 June 2002

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/957,401

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Dorsey &amp; Whitney LLP

Internal Address: 370 Seventeenth Street, Suite 4700,

Denver, Colorado 80202-5647

Street Address: 370 Seventeenth Street, Suite 4700

City: Denver State: CO ZIP: 80202

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

04-1415

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brad J. Hattenbach

Name of Person Signing



Signature

14 October 2002

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments



## **ASSIGNMENT**

WHEREAS, **NANOPIERCE CONNECTION SYSTEMS, INC.**, a corporation organized and existing under the laws of the State of Colorado, and having its principal place of business at 4180 Center Park Drive, Colorado Springs, Colorado 80916 (the "Assignor"), is the owner of certain right, title, and interest in and to an invention and corresponding application for Letters Patent in the United States ("U.S.") filed on 19 September 2001 entitled "METHOD FOR ASSEMBLING COMPONENTS AND ANTENNAE IN RADIO FREQUENCY DEVICES," which can be identified in the United States Patent and Trademark Office ("USPTO") under Serial Number 09/957,401, (the "Patent Application"); and

WHEREAS, **NANOPIERCE TECHNOLOGIES, INC.**, a corporation organized and existing under the laws of the State of Nevada, and having its principal place of business at 370 Seventeenth Street, Suite 3640, Denver, Colorado 80202 (the "Assignee"), desires to acquire the entire right, title, and interest of Assignor in and to the invention, the Patent Application, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title and interest in and to the invention, the Patent Application, and all divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications that claim priority thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the invention under any international conventions (collectively "the Patent Rights"); and the Assignor hereby authorizes and requests transfer of the Patent Application, and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith.

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries, in its own name if desired, and additionally to claim priority to the filing date of the Patent Application and otherwise take advantage of the provisions of any international conventions.

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor further covenants and agrees that this Assignment is effective as of 1 January 2002.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey its right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF COLORADO                    )  
CITY OF COLORADO SPRINGS ) ss.  
COUNTY OF EL PASO                    )

NANOPIERCE CONNECTION SYSTEMS, INC.

By: Herbert J. Neuhaus  
Herbert J. Neuhaus as President

Dated: 28 June 2002

Before me, a Notary Public in and for said County and State, personally appeared HERBERT J. NEUHAUS, who acknowledged himself to be the President of NanoPierce Connection Systems, Inc., and that he as such, being duly authorized to do so, executed the foregoing instrument for the purposes and considerations therein expressed, by signing the name of the corporation by himself as President.

Given under my hand and seal of office this 28 day of June, 2002.

Jeanne Herstein  
Notary Public

My Commission Expires: 6-10-06